

03431514 CUMBERLAND RIVER NEAR BORDEAUX, TN

## WATER-QUALITY RECORDS

LOCATION.--Lat 36°10'59", long 86°49'56", Davidson County, Hydrologic Unit 05130202, on center pier of Nashville to Ashland City Railroad Bridge, 0.8 mi south of Bordeaux, 2.6 mi upstream of Whites Creek, and at mile 185.2.

DRAINAGE AREA.--12,862 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--November 1996 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1996 to current year.

pH: November 1996 to current year.

WATER TEMPERATURE: November 1996 to current year.

DISSOLVED OXYGEN: November 1996 to current year.

INSTRUMENTATION.--Water-quality monitor since November 1996.

REMARKS.--Flow regulated by Old Hickory Dam and other reservoirs above station. Periods of missing record were due to instrument malfunctions. Records for water temperature are excellent, for specific conductance are good, for pH are good and dissolved oxygen are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 303 microsiemens, March 14, 2000; minimum, 171 microsiemens, June 4, 1998.

pH: Maximum, 9.0 units, Feb. 11, 2001; minimum, 6.6 units, Nov. 30, 1997, June 11, 1997.

WATER TEMPERATURE: Maximum, 27.8°C, July 14, 2000; minimum, 4.4°C, Feb. 3, 2000.

DISSOLVED OXYGEN: Maximum, 17.8 mg/L, Feb. 8, 2003; minimum, 3.7 mg/L, Oct. 7, 2002.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 265 microsiemens, Feb. 1; minimum, 181 microsiemens, Feb. 7, July 7, 8, 9.

pH: Maximum, 8.6 units, July 4; minimum, 7.4 units, many days.

WATER TEMPERATURE: Maximum, 24.6°C, Aug. 4; minimum, 5.9°C, Jan. 31.

DISSOLVED OXYGEN: Maximum, 13.0 mg/L, Feb. 6-7; minimum, 4.3 mg/L, Oct. 2.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	225	204	214	207	196	199	236	230	232	246	234	240
2	239	208	218	198	196	197	237	233	235	245	233	238
3	225	210	218	199	197	198	240	237	239	247	233	239
4	227	213	219	214	198	205	239	237	238	249	238	241
5	218	213	216	216	200	206	240	237	238	250	236	243
6	218	209	214	217	200	206	241	235	239	249	237	244
7	212	205	208	215	199	204	239	231	235	247	234	241
8	208	203	205	212	202	207	231	217	225	248	234	240
9	215	203	207	213	202	208	227	216	220	254	238	245
10	206	203	204	215	202	206	230	218	223	250	237	242
11	206	203	204	228	207	216	235	221	227	250	238	243
12	207	203	205	222	208	216	233	222	227	256	241	247
13	207	203	204	231	210	220	235	221	226	256	240	247
14	221	202	206	224	204	212	234	223	226	253	240	245
15	216	201	206	221	206	213	238	223	230	250	237	242
16	213	195	204	215	206	209	241	225	230	250	237	243
17	210	196	203	214	207	210	247	229	237	248	236	241
18	211	195	202	220	207	210	245	233	238	241	235	238
19	197	193	194	220	209	212	243	232	236	247	231	237
20	196	194	195	231	207	212	244	230	235	239	227	231
21	214	194	203	220	208	214	245	229	233	244	229	238
22	212	196	205	219	209	213	240	227	230	252	227	238
23	212	196	204	228	210	218	239	228	231	248	227	238
24	210	196	204	244	225	231	248	233	240	248	234	241
25	208	196	199	241	228	233	248	230	236	248	232	238
26	201	194	197	239	229	233	243	228	234	246	229	235
27	203	199	201	237	229	232	243	230	234	246	226	235
28	217	199	205	242	229	235	240	230	232	249	229	240
29	209	196	200	241	230	236	246	232	237	245	229	240
30	208	196	200	239	234	237	255	238	246	247	226	237
31	209	196	199	---	---	---	251	239	246	255	245	248
MONTH	239	193	205	244	196	215	255	216	233	256	226	240

## 03431514 CUMBERLAND RIVER NEAR BORDEAUX, TN—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY				MARCH				APRIL			
1	265	235	251	209	202	204	209	205	207	219	203	209
2	257	234	244	218	201	205	209	207	208	205	202	203
3	260	232	245	214	200	206	211	204	207	216	199	202
4	249	227	237	222	206	212	225	202	208	204	191	194
5	244	203	223	231	210	220	206	203	204	212	192	199
6	230	208	223	229	207	213	206	201	205	211	194	202
7	224	181	195	228	207	216	203	199	200	204	193	198
8	207	185	195	228	210	217	204	199	200	196	192	194
9	211	202	206	216	211	213	199	197	198	200	194	197
10	210	198	202	223	216	220	198	196	197	203	199	201
11	214	210	212	224	222	223	200	196	197	212	198	202
12	212	206	211	222	206	214	212	199	203	210	195	199
13	218	209	213	207	205	206	216	201	209	197	193	195
14	223	218	220	205	202	203	205	195	198	209	195	198
15	225	223	224	211	203	206	206	194	197	206	190	200
16	224	222	223	213	207	211	224	198	206	208	200	204
17	225	221	223	210	198	207	213	207	209	213	206	209
18	228	216	223	212	199	207	225	207	214	235	208	220
19	216	211	214	210	190	199	229	210	217	220	204	213
20	212	209	210	197	190	194	230	216	222	236	203	218
21	214	199	208	200	194	198	228	217	221	224	203	215
22	219	206	215	206	190	193	228	209	216	227	206	218
23	219	202	213	214	195	202	213	204	210	214	205	209
24	211	199	207	214	198	202	211	204	208	225	204	211
25	216	200	208	218	199	205	222	206	212	215	203	208
26	216	200	207	205	202	203	230	208	215	235	203	210
27	215	201	207	209	204	206	231	208	216	231	207	214
28	213	200	207	210	206	208	230	205	213	223	205	211
29	209	200	202	215	210	212	221	205	212	221	202	209
30	---	---	---	222	210	213	225	207	213	204	200	201
31	---	---	---	219	205	210	---	---	---	208	195	201
MONTH	265	181	216	231	190	208	231	194	208	236	190	205
	JUNE				JULY				AUGUST			
1	201	197	198	205	188	199	193	188	191	197	193	195
2	212	197	200	206	187	198	191	188	189	196	190	194
3	216	202	210	212	185	202	196	191	194	206	193	196
4	221	203	215	187	184	185	197	193	195	---	---	---
5	219	198	209	186	183	185	200	188	194	---	---	---
6	213	198	202	184	182	183	218	196	205	---	---	---
7	219	200	207	186	181	184	215	195	202	228	211	222
8	209	202	203	203	181	197	200	196	198	212	201	204
9	205	201	202	201	181	192	200	197	198	207	197	202
10	201	199	200	201	183	190	202	199	200	204	197	200
11	200	198	199	204	186	191	200	197	198	203	197	200
12	203	198	200	208	186	194	199	195	196	205	189	198
13	209	201	204	213	188	196	196	192	195	205	196	202
14	203	198	199	214	190	203	196	193	194	208	202	206
15	199	196	198	213	192	201	193	189	191	203	199	201
16	198	195	196	213	194	202	196	190	192	203	197	199
17	195	193	194	218	194	203	198	192	194	234	201	221
18	225	193	202	215	194	200	201	193	196	220	209	216
19	213	193	203	199	195	196	198	194	196	210	200	206
20	212	192	202	202	196	199	201	194	197	209	204	206
21	212	193	203	205	195	202	200	196	197	236	205	216
22	215	193	207	195	183	189	199	196	198	230	200	209
23	214	193	207	188	183	186	198	194	196	216	199	203
24	218	192	204	190	185	187	198	193	195	218	201	206
25	216	189	198	189	186	187	200	196	198	223	205	211
26	209	189	197	208	187	190	200	194	196	226	210	214
27	193	189	190	208	190	193	195	194	195	225	210	214
28	203	187	194	205	189	194	198	195	197	229	206	214
29	201	187	193	196	188	190	202	195	197	214	204	209
30	205	187	198	203	189	194	200	194	196	217	202	207
31	---	---	---	208	190	197	197	196	196	---	---	---
MONTH	225	187	201	218	181	194	218	188	196	236	189	206

## CUMBERLAND RIVER BASIN

03431514 CUMBERLAND RIVER NEAR BORDEAUX, TN—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.9	7.5	7.6	7.5	7.6	7.6	8.0	7.9	8.1	8.0	8.0	7.8
2	8.0	7.5	7.5	7.4	7.6	7.6	8.0	7.9	8.1	8.0	7.9	7.8
3	8.0	7.6	7.6	7.4	7.6	7.6	7.9	7.8	8.1	8.0	7.9	7.8
4	8.1	7.7	7.6	7.5	7.6	7.6	7.9	7.7	8.1	8.0	8.0	7.9
5	8.1	7.9	7.5	7.4	7.6	7.6	7.8	7.7	8.1	7.9	8.0	7.9
6	8.1	7.8	7.5	7.4	7.6	7.6	7.8	7.7	7.9	7.8	7.9	7.8
7	8.2	8.0	7.4	7.4	7.6	7.6	7.8	7.7	7.8	7.7	7.8	7.8
8	8.3	8.0	7.5	7.4	7.6	7.6	7.7	7.7	7.8	7.7	7.8	7.7
9	8.1	7.9	7.5	7.4	7.6	7.6	7.7	7.7	7.8	7.7	7.8	7.7
10	8.0	7.9	7.5	7.4	7.6	7.6	7.7	7.7	7.8	7.8	7.8	7.7
11	8.0	7.8	7.5	7.4	7.7	7.6	7.8	7.7	7.8	7.8	7.9	7.8
12	7.9	7.8	7.5	7.4	7.7	7.6	7.8	7.7	7.8	7.8	7.9	7.8
13	7.9	7.8	7.6	7.5	7.7	7.7	7.8	7.7	7.9	7.8	7.8	7.8
14	7.9	7.5	7.6	7.5	7.7	7.6	7.9	7.8	7.9	7.8	7.8	7.8
15	7.8	7.6	7.6	7.5	7.7	7.7	8.0	7.9	7.9	7.9	7.9	7.7
16	7.7	7.5	7.6	7.5	7.7	7.7	8.0	7.9	7.9	7.9	7.9	7.8
17	7.7	7.5	7.6	7.5	7.8	7.7	8.0	7.9	7.9	7.9	7.9	7.8
18	7.6	7.5	7.6	7.4	7.8	7.7	8.0	7.9	7.9	7.7	8.0	7.9
19	7.7	7.6	7.5	7.4	7.8	7.7	7.9	7.9	7.8	7.7	8.0	7.9
20	7.6	7.5	7.6	7.5	7.8	7.8	8.0	7.9	7.8	7.7	8.0	7.9
21	7.6	7.4	7.5	7.5	7.8	7.8	8.1	7.9	7.8	7.7	8.0	7.9
22	7.6	7.4	7.6	7.5	7.8	7.8	8.0	8.0	7.8	7.8	8.2	8.0
23	7.6	7.4	7.6	7.5	7.8	7.7	8.0	8.0	7.8	7.7	8.2	8.0
24	7.7	7.5	7.6	7.5	7.8	7.7	8.1	8.0	7.8	7.8	8.2	8.0
25	7.7	7.6	7.6	7.5	7.8	7.8	8.0	7.9	7.8	7.8	8.3	8.1
26	7.7	7.5	7.6	7.6	7.8	7.8	8.0	7.9	7.9	7.8	8.2	8.1
27	7.5	7.5	7.6	7.6	7.8	7.8	8.0	8.0	7.9	7.8	8.3	8.1
28	7.5	7.5	7.6	7.6	7.8	7.8	8.0	8.0	7.9	7.9	8.3	8.2
29	7.5	7.5	7.6	7.6	7.8	7.8	8.0	8.0	8.0	7.9	8.3	8.0
30	7.6	7.5	7.6	7.6	7.8	7.7	8.0	8.0	---	---	8.1	7.9
31	7.6	7.5	---	---	8.0	7.8	8.1	8.0	---	---	8.1	8.0
MONTH	8.3	7.4	7.6	7.4	8.0	7.6	8.1	7.7	8.1	7.7	8.3	7.7
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.1	8.0	8.2	7.8	7.9	7.7	8.1	7.8	8.3	7.8	8.2	7.6
2	8.2	7.9	8.0	7.7	8.0	7.9	8.2	7.8	8.3	8.2	8.2	8.0
3	8.2	8.0	7.8	7.6	7.9	7.7	8.1	7.7	8.2	7.9	8.0	7.9
4	8.3	8.0	7.7	7.6	7.9	7.7	8.6	7.8	8.3	7.8	---	---
5	8.3	8.1	7.7	7.5	8.2	7.7	8.0	7.7	8.0	7.7	---	---
6	8.4	8.2	7.6	7.5	8.2	7.9	8.0	7.7	8.1	7.6	---	---
7	8.4	8.2	7.8	7.5	7.9	7.6	8.0	7.8	8.3	7.8	7.7	7.5
8	8.4	8.3	8.0	7.6	8.3	7.9	8.2	7.7	8.4	8.2	7.7	7.5
9	8.4	8.2	8.0	7.9	8.2	7.9	8.3	7.8	8.4	8.1	7.9	7.5
10	8.4	8.3	7.9	7.7	8.1	7.8	8.2	7.8	8.4	7.8	8.2	7.9
11	8.3	8.2	8.0	7.7	8.0	7.8	8.3	7.7	8.1	7.8	8.2	8.0
12	8.2	7.8	8.0	7.7	7.9	7.6	8.1	7.6	8.2	7.9	8.2	7.7
13	7.8	7.8	7.9	7.7	7.7	7.6	8.1	7.6	8.4	8.1	7.8	7.6
14	8.1	7.8	7.8	7.6	8.2	7.7	8.1	7.6	8.4	8.2	7.8	7.6
15	8.1	8.0	7.7	7.4	7.9	7.8	8.3	7.6	8.3	8.1	8.1	7.7
16	8.0	7.9	7.7	7.5	8.0	7.8	8.3	7.6	8.3	8.0	8.2	7.7
17	7.9	7.8	7.8	7.6	7.9	7.8	8.2	7.7	8.3	8.0	7.7	7.4
18	7.9	7.8	7.7	7.5	7.9	7.6	8.1	7.7	8.3	8.0	7.6	7.5
19	8.0	7.9	7.7	7.5	7.9	7.5	8.4	7.9	8.3	8.1	7.8	7.5
20	8.2	8.0	8.0	7.5	7.9	7.4	8.3	8.0	8.2	7.9	7.8	7.6
21	8.3	8.0	7.8	7.5	8.2	7.6	8.2	8.0	8.0	7.8	7.7	7.4
22	8.0	7.6	7.9	7.5	7.9	7.6	8.3	8.0	7.9	7.7	7.9	7.5
23	7.8	7.6	7.8	7.6	7.7	7.5	8.1	7.9	7.9	7.8	8.2	7.6
24	7.7	7.6	7.8	7.6	7.7	7.4	8.2	7.9	8.0	7.8	8.1	7.6
25	7.6	7.6	7.7	7.6	7.9	7.4	8.2	7.8	8.0	7.9	8.2	7.6
26	7.6	7.5	7.8	7.5	7.8	7.4	8.0	7.8	8.2	7.8	8.1	7.6
27	7.8	7.6	7.7	7.5	7.9	7.5	8.0	7.8	8.0	7.8	8.1	7.6
28	8.0	7.6	7.9	7.4	8.3	7.6	7.9	7.8	8.0	7.8	8.1	7.6
29	8.0	7.8	7.9	7.5	8.3	7.8	8.5	7.9	7.9	7.8	8.0	7.7
30	8.1	7.8	8.2	7.6	8.2	7.9	8.4	7.9	7.9	7.7	8.1	7.7
31	---	---	8.0	7.6	---	---	8.5	7.9	7.8	7.6	---	---
MONTH	8.4	7.5	8.2	7.4	8.3	7.4	8.6	7.6	8.4	7.6	8.2	7.4

03431514 CUMBERLAND RIVER NEAR BORDEAUX, TN—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.8	20.4	20.6	17.6	17.0	17.3	12.2	12.0	12.1	8.7	8.4	8.5
2	20.4	19.9	20.2	17.7	17.3	17.5	12.1	11.8	11.9	9.2	8.7	8.9
3	19.9	19.5	19.7	18.1	17.6	17.8	11.8	11.5	11.7	9.8	9.2	9.5
4	20.0	19.5	19.7	18.0	17.8	17.9	11.5	11.3	11.4	10.6	9.8	10.3
5	19.7	19.1	19.4	18.3	17.8	18.0	11.4	11.1	11.2	10.6	10.2	10.4
6	19.3	19.0	19.2	18.1	17.5	17.9	11.1	10.6	10.9	10.2	9.5	9.8
7	19.6	19.2	19.4	17.5	16.8	17.2	10.7	10.5	10.6	9.5	8.9	9.1
8	19.7	19.3	19.5	16.8	16.2	16.7	10.6	10.4	10.5	9.1	8.6	8.8
9	19.7	19.5	19.6	16.3	15.9	16.2	10.9	10.6	10.7	8.7	8.3	8.5
10	19.8	19.6	19.7	15.9	15.8	15.9	11.0	10.7	10.9	8.5	8.1	8.3
11	19.9	19.5	19.7	16.1	15.8	15.9	10.7	10.5	10.6	8.1	7.8	7.9
12	19.9	19.7	19.8	16.3	16.0	16.2	10.6	10.1	10.3	8.0	7.8	7.9
13	19.8	19.5	19.7	16.2	15.5	15.9	10.1	9.7	9.9	8.1	7.8	7.9
14	19.6	19.4	19.5	15.5	14.6	14.9	9.7	9.4	9.6	8.0	7.8	7.9
15	19.4	19.0	19.1	14.8	14.4	14.6	9.5	9.2	9.4	8.1	7.9	8.0
16	19.1	18.6	18.9	14.4	14.3	14.4	9.5	9.3	9.4	8.0	7.8	7.9
17	18.9	18.6	18.8	14.8	14.3	14.6	9.5	9.2	9.3	8.3	8.0	8.2
18	18.7	18.3	18.5	15.3	14.8	15.0	9.2	8.9	9.0	8.4	8.0	8.3
19	18.4	18.1	18.3	15.3	14.9	15.1	8.9	8.6	8.8	8.0	7.2	7.6
20	18.7	18.2	18.5	15.3	14.8	15.0	8.6	8.3	8.4	7.2	6.8	6.9
21	18.9	18.5	18.7	15.4	15.1	15.3	8.3	8.1	8.2	6.8	6.5	6.6
22	18.8	18.4	18.6	15.3	15.1	15.2	8.6	8.3	8.4	6.7	6.5	6.6
23	18.6	18.4	18.5	15.2	15.0	15.1	8.8	8.6	8.7	6.7	6.4	6.5
24	18.6	18.4	18.5	15.2	14.4	14.8	8.7	8.3	8.5	6.7	6.4	6.6
25	18.5	18.3	18.4	14.4	13.9	14.1	8.3	8.0	8.2	6.9	6.6	6.7
MONTH	20.8	16.8	18.9	18.3	12.2	15.5	12.2	7.8	9.6	10.6	5.9	7.9
	FEBRUARY			MARCH			APRIL			MAY		
1	6.4	6.0	6.1	8.8	8.2	8.4	12.8	12.6	12.8	16.7	16.1	16.4
2	6.5	6.1	6.4	8.9	8.6	8.7	12.8	12.4	12.7	16.6	16.0	16.5
3	6.5	6.3	6.4	8.9	8.7	8.7	12.9	12.3	12.6	16.1	15.7	15.9
4	6.4	6.0	6.2	9.4	8.8	9.1	12.9	12.4	12.7	16.4	15.9	16.1
5	6.4	6.0	6.2	10.2	9.4	9.7	12.8	12.6	12.7	16.8	16.2	16.5
6	6.8	6.4	6.7	10.6	10.0	10.4	13.3	12.8	13.0	17.2	16.8	17.0
7	6.6	6.2	6.3	10.7	10.4	10.6	13.5	13.1	13.3	17.9	17.2	17.5
8	6.7	6.2	6.4	10.7	10.2	10.4	14.2	13.4	13.8	18.3	17.2	17.8
9	6.7	6.5	6.6	10.5	10.2	10.3	14.0	13.4	13.7	18.6	18.1	18.4
10	6.9	6.6	6.8	10.3	10.1	10.2	14.3	14.0	14.2	18.7	18.3	18.5
11	7.0	6.7	6.9	10.2	9.8	9.9	14.2	14.0	14.1	19.1	18.3	18.7
12	7.2	6.9	7.0	10.1	9.6	9.9	14.0	13.4	13.7	19.2	18.4	18.7
13	7.2	6.9	7.1	10.0	9.6	9.8	13.4	12.5	12.9	19.1	18.6	18.8
14	7.0	6.9	7.0	9.9	9.8	9.8	12.5	12.1	12.3	19.0	18.6	18.8
15	6.9	6.7	6.9	9.8	9.5	9.5	12.3	11.8	12.1	19.2	18.5	18.9
16	6.7	6.6	6.6	9.7	9.4	9.5	13.0	12.2	12.6	19.2	18.6	18.8
17	6.9	6.6	6.7	9.6	9.2	9.4	13.6	12.9	13.2	20.0	19.1	19.5
18	7.1	6.6	6.8	10.0	9.4	9.7	14.2	13.3	13.7	20.4	19.5	19.8
19	7.3	6.9	7.1	10.4	9.9	10.1	14.6	14.0	14.3	20.5	19.8	20.1
20	7.5	7.2	7.3	10.9	10.4	10.6	15.0	14.3	14.6	20.7	19.4	20.1
21	7.5	7.3	7.4	11.0	10.6	10.8	15.2	14.8	15.0	20.5	19.5	19.9
22	7.5	7.1	7.3	10.6	10.2	10.4	15.1	14.8	14.9	20.7	19.5	20.0
23	7.6	7.3	7.4	10.4	10.1	10.3	15.2	14.9	15.0	21.1	20.6	20.8
24	7.9	7.5	7.7	10.8	10.3	10.5	15.6	15.0	15.2	21.6	21.1	21.4
25	7.9	7.6	7.8	11.4	10.6	11.1	15.7	15.4	15.6	21.9	21.3	21.6
26	7.9	7.6	7.7	12.0	11.4	11.8	15.8	15.5	15.7	21.7	20.6	21.3
27	7.8	7.4	7.6	12.6	12.0	12.3	16.1	15.3	15.7	21.8	20.6	21.3
28	7.8	7.3	7.6	13.1	12.4	12.8	16.3	15.2	15.9	22.0	20.8	21.4
29	8.2	7.8	8.0	13.2	12.9	13.1	16.5	15.8	16.2	22.2	20.7	21.4
30	---	---	---	13.1	12.5	12.8	16.6	16.1	16.3	23.2	21.9	22.5
31	---	---	---	13.1	12.7	13.0	---	---	---	23.4	22.4	22.8
MONTH	8.2	6.0	7.0	13.2	8.2	10.4	16.6	11.8	14.0	23.4	15.7	19.3

## CUMBERLAND RIVER BASIN

03431514 CUMBERLAND RIVER NEAR BORDEAUX, TN—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN									
1	23.0	22.6	22.8	21.9	21.2	21.6	23.9	23.1	23.4	23.4	22.2	22.8
2	23.0	22.4	22.9	21.9	21.1	21.4	24.2	23.4	23.8	23.5	23.1	23.3
3	22.4	21.5	21.8	21.7	21.1	21.3	24.1	23.7	23.9	23.3	23.1	23.2
4	22.0	20.9	21.4	22.9	21.1	22.0	24.6	23.6	24.1	---	---	---
5	22.8	21.2	21.9	21.8	20.9	21.4	24.0	23.1	23.7	---	---	---
6	22.8	21.9	22.5	21.7	20.9	21.1	23.7	23.0	23.4	---	---	---
7	22.9	21.5	22.4	21.7	20.8	21.3	23.9	23.1	23.6	23.5	22.7	23.0
8	23.6	22.9	23.3	21.9	21.2	21.5	24.1	23.7	23.9	22.8	22.3	22.6
9	23.5	23.0	23.2	22.2	21.3	21.7	24.1	23.6	23.8	23.3	22.1	22.6
10	23.5	23.0	23.2	22.4	21.7	22.0	24.0	23.4	23.6	23.8	23.2	23.4
11	23.7	23.1	23.5	22.7	21.7	22.2	23.4	22.7	23.1	23.9	23.5	23.6
12	23.8	23.2	23.5	22.9	21.7	22.3	22.9	22.4	22.7	23.7	23.0	23.3
13	23.4	23.0	23.2	23.2	22.2	22.8	22.9	22.3	22.6	23.0	22.6	22.8
14	24.1	23.2	23.5	23.2	22.4	22.7	22.6	22.3	22.4	23.5	22.6	23.1
15	23.6	22.9	23.2	23.7	22.2	22.9	22.5	22.0	22.2	23.8	23.2	23.5
16	23.3	22.8	23.0	23.7	22.4	22.9	22.5	22.1	22.3	23.8	22.9	23.6
17	23.3	22.8	23.0	23.3	22.5	23.0	22.8	22.4	22.6	22.9	22.4	22.6
18	22.9	21.7	22.5	23.4	22.7	23.0	22.9	22.5	22.7	22.6	22.2	22.4
19	22.7	21.4	22.1	23.6	22.7	23.1	23.1	22.7	23.0	22.4	21.9	22.1
20	22.7	20.8	21.6	23.6	23.1	23.3	23.1	22.6	22.8	22.0	21.6	21.8
21	23.0	21.9	22.5	23.6	23.4	23.5	22.8	22.3	22.6	22.0	21.8	21.9
22	22.8	22.0	22.3	23.8	23.3	23.5	22.6	21.8	22.2	22.0	21.8	21.9
23	22.4	21.8	22.1	23.5	23.0	23.3	22.6	22.3	22.5	22.2	21.7	22.0
24	22.5	21.4	21.8	23.8	23.2	23.6	22.7	22.3	22.5	22.2	21.8	22.0
25	22.7	21.9	22.2	23.8	23.0	23.6	22.6	22.3	22.4	22.5	21.9	22.2
26	22.7	21.7	22.1	23.6	23.4	23.5	22.9	22.2	22.5	22.3	22.0	22.2
27	22.8	22.0	22.4	23.7	22.6	23.2	23.0	22.4	22.7	22.4	21.8	22.1
28	23.3	22.2	22.8	23.3	22.8	23.1	22.7	22.5	22.6	22.1	21.5	21.8
29	22.7	22.2	22.5	23.9	23.1	23.5	22.9	22.5	22.7	21.6	21.1	21.5
30	22.2	21.6	21.9	23.8	22.8	23.4	22.8	22.5	22.6	21.3	21.0	21.1
31	---	---	---	24.2	22.8	23.4	22.6	22.2	22.4	---	---	---
MONTH	24.1	20.8	22.6	24.2	20.8	22.6	24.6	21.8	22.9	23.9	21.0	22.5

## 03431514 CUMBERLAND RIVER NEAR BORDEAUX, TN—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.7	5.6	7.2	9.1	8.5	8.7	9.7	9.6	9.6	11.2	10.5	10.8
2	9.0	4.3	7.6	9.2	8.5	8.9	9.6	9.3	9.5	11.6	10.4	10.8
3	9.2	6.7	7.9	9.4	8.8	9.1	9.7	9.5	9.6	10.9	10.2	10.6
4	9.6	6.9	8.6	9.3	8.4	8.9	9.8	9.6	9.7	10.9	10.4	10.7
5	9.7	8.9	9.3	9.8	8.1	8.8	9.8	9.6	9.7	10.9	10.6	10.8
6	9.8	8.0	9.2	8.6	7.8	8.3	10.0	9.7	9.8	11.2	10.6	10.9
7	10.2	9.5	9.9	8.5	7.7	8.2	10.1	9.8	9.9	11.2	10.7	11.0
8	10.7	9.5	10.1	8.9	8.0	8.3	10.0	9.7	9.9	11.2	10.5	10.9
9	10.0	9.1	9.6	9.2	8.2	8.7	10.0	9.7	9.8	11.3	10.6	11.0
10	9.7	9.0	9.4	9.6	8.5	9.1	10.0	9.7	9.9	11.4	10.7	11.1
11	9.7	8.7	9.1	9.3	8.5	8.9	10.2	9.9	10.1	11.5	10.8	11.2
12	9.2	7.9	8.8	9.3	8.5	8.9	10.6	10.1	10.3	11.7	10.9	11.3
13	8.9	7.8	8.5	9.3	8.3	8.9	10.6	10.2	10.4	11.9	10.8	11.4
14	8.7	6.2	8.0	9.3	8.6	9.0	10.7	10.2	10.4	11.8	11.1	11.5
15	8.2	6.4	7.4	9.3	8.8	9.0	10.8	10.4	10.6	12.0	11.2	11.7
16	8.2	6.4	7.6	9.3	9.2	9.3	10.8	10.4	10.6	12.2	11.3	11.7
17	8.2	6.8	7.7	9.3	9.1	9.2	10.8	10.3	10.6	12.4	11.3	11.8
18	7.9	6.6	7.4	9.2	8.5	9.0	11.1	10.6	10.8	12.1	11.3	11.7
19	8.3	7.9	8.1	9.0	8.5	8.8	11.2	10.8	11.0	12.3	11.3	11.9
20	8.4	8.0	8.1	9.1	8.5	8.8	11.4	10.9	11.1	12.7	11.5	12.0
21	8.6	6.6	7.7	8.9	8.6	8.7	11.5	11.0	11.3	12.7	11.5	12.1
22	8.5	6.6	7.5	9.2	8.6	8.8	11.6	11.0	11.3	12.7	11.9	12.1
23	8.4	6.6	7.6	9.2	8.7	8.9	11.4	10.6	11.1	12.3	11.9	12.0
24	8.7	7.3	8.1	9.0	8.8	8.9	11.2	10.2	10.7	12.3	12.0	12.2
25	9.0	7.9	8.6	8.9	8.6	8.8	10.9	10.1	10.4	12.2	12.0	12.1
MONTH	10.7	4.3	8.4	9.8	7.7	8.9	11.6	9.3	10.4	12.7	10.2	11.6
	FEBRUARY			MARCH			APRIL			MAY		
1	12.6	12.3	12.4	12.6	12.1	12.4	11.5	11.2	11.4	11.7	10.6	11.2
2	12.6	12.3	12.4	12.4	12.0	12.2	11.6	11.1	11.4	11.3	10.2	10.9
3	12.5	12.2	12.3	12.5	12.1	12.3	11.9	11.3	11.6	10.4	9.9	10.1
4	12.7	12.4	12.5	12.6	12.1	12.3	12.1	11.5	11.8	10.2	9.9	10.1
5	12.6	12.2	12.3	12.5	11.8	12.1	12.1	11.7	11.9	10.2	9.7	9.9
6	13.0	12.6	12.9	12.0	11.4	11.7	12.6	11.9	12.2	10.2	9.6	9.9
7	13.0	12.9	12.9	12.0	11.7	11.9	12.5	12.1	12.4	10.5	9.7	10.2
8	13.0	12.6	12.9	11.7	11.1	11.5	12.7	12.2	12.4	11.2	10.2	10.7
9	12.7	12.5	12.6	11.3	11.0	11.2	12.5	11.9	12.1	11.0	10.4	10.7
10	12.5	11.8	12.2	11.3	10.9	11.1	12.3	12.0	12.2	10.4	9.6	10
11	11.9	11.6	11.8	11.3	11.0	11.2	12.2	11.8	12.1	9.8	9.0	9.5
12	12.0	11.4	11.5	11.2	10.7	11.0	12.0	11.0	11.4	9.1	8.2	8.8
13	11.8	11.5	11.7	10.8	10.2	10.6	11.1	10.9	11.0	8.6	7.8	8.2
14	11.9	11.8	11.9	10.6	9.7	10.2	11.6	11.0	11.2	8.0	7.3	7.7
15	12.0	11.9	12.0	10.8	10.5	10.7	11.5	11.3	11.4	7.9	7.0	7.5
16	12.2	12.0	12.1	11.2	10.7	10.9	11.4	10.8	11.1	8.3	7.8	8.0
17	12.2	12.0	12.1	11.2	10.8	11.0	11.1	10.7	10.8	8.2	7.7	7.9
18	12.4	11.8	12.1	11.3	10.9	11.1	11.0	10.6	10.8	8.1	7.3	7.8
19	12.3	11.8	12.1	11.5	11.1	11.2	11.4	10.8	11.1	8.4	6.9	7.7
20	12.4	12.3	12.3	11.5	11.2	11.4	11.8	10.9	11.3	8.9	7.2	7.9
21	12.3	12.2	12.3	11.4	11.1	11.3	11.8	11.0	11.4	8.8	7.3	8.1
22	12.3	12.2	12.2	11.8	11.2	11.5	11.0	9.9	10.3	9.3	7.4	8.2
23	12.2	12.1	12.1	11.9	11.4	11.7	10.4	9.9	10.2	8.9	8.0	8.5
24	12.5	11.9	12.1	12.0	11.6	11.8	10.3	9.5	10.1	8.8	8.0	8.4
25	12.4	11.9	12.0	12.1	11.6	11.9	9.7	9.4	9.6	8.3	7.7	8.0
26	12.1	11.9	12.0	11.9	11.6	11.8	9.6	9.0	9.3	8.8	7.2	7.8
27	12.3	12.0	12.2	12.2	11.7	11.9	10.3	9.3	9.8	8.4	7.2	7.8
28	12.5	12.0	12.3	12.5	11.9	12.2	11.2	9.6	10.4	8.6	6.9	7.7
29	12.8	12.3	12.5	12.4	11.7	12.1	11.5	10.4	11.1	8.6	7.2	7.9
30	---	---	---	11.7	11.4	11.5	11.5	10.4	11.0	8.9	7.7	8.3
31	---	---	---	11.7	11.3	11.5	---	---	---	8.6	7.3	7.8
MONTH	13.0	11.4	12.2	12.6	9.7	11.5	12.7	9.0	11.2	11.7	6.9	8.8

## CUMBERLAND RIVER BASIN

03431514 CUMBERLAND RIVER NEAR BORDEAUX, TN—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.9	7.8	8.4	9.7	8.3	9.0	9.9	8.7	9.3	8.8	7.4	8.1
2	8.8	8.2	8.4	10.0	8.3	9.0	10.2	9.4	9.8	8.9	8.1	8.5
3	8.3	7.6	7.9	9.7	8.2	8.7	9.7	9.0	9.3	8.6	8.0	8.2
4	8.3	7.1	7.7	10.6	9.0	9.8	10.1	8.4	9.5	---	---	---
5	9.2	7.5	8.2	9.4	8.3	8.9	9.3	8.5	8.8	---	---	---
6	8.9	8.2	8.5	9.6	8.6	8.8	9.3	8.0	8.7	---	---	---
7	8.4	7.2	7.9	9.1	8.6	8.8	9.6	8.2	9.1	8.8	7.0	7.5
8	9.7	8.4	9.0	9.2	8.2	8.5	10.1	9.4	9.7	9.2	7.7	8.4
9	9.4	8.3	8.8	9.9	8.2	8.9	10.4	9.4	9.8	9.3	7.8	8.5
10	9.0	8.1	8.6	9.8	8.4	9.2	10.5	9.1	9.7	10.4	8.9	9.5
11	8.6	8.0	8.3	9.9	8.2	9.3	10.1	9.3	9.7	10.3	9.4	9.9
12	8.3	7.6	8.0	9.7	7.7	8.9	9.9	9.4	9.6	10.0	9.0	9.3
13	7.7	7.2	7.4	9.6	7.7	8.9	10.1	9.4	9.7	9.2	8.5	8.8
14	8.6	7.6	8.1	9.4	7.6	8.4	10.4	9.5	9.9	9.6	8.5	9.0
15	8.5	7.9	8.2	9.6	7.3	8.6	10.4	9.8	10.2	10.5	8.5	9.6
16	8.9	8.0	8.4	9.6	7.6	8.7	10.5	9.7	10.1	10.7	9.5	10.3
17	8.6	8.3	8.5	9.5	7.6	8.7	10.8	10.0	10.4	9.5	8.4	8.8
18	8.9	7.2	8.3	9.5	7.9	8.9	10.6	9.9	10.3	10.2	8.6	9.2
19	9.8	8.0	8.9	9.9	8.8	9.3	10.3	9.7	10.1	11.6	9.8	10.7
20	9.8	7.9	8.7	10.5	9.0	9.7	10.0	9.5	9.7	11.3	10.2	10.7
21	10.2	8.4	9.3	10.4	8.4	9.4	---	---	---	11.1	8.4	10.1
22	9.7	8.4	9.0	---	---	---	---	---	---	12.0	9.0	10.8
23	9.3	8.4	8.7	---	---	---	---	---	---	12.8	10.0	12.0
24	9.3	7.9	8.5	---	---	---	---	---	---	12.8	10.3	11.9
25	9.2	8.2	8.6	---	---	---	---	---	---	12.7	9.9	11.7
26	9.0	8.0	8.5	---	---	---	10.0	8.7	9.0	12.0	10.0	11.2
27	9.6	8.5	9.0	10.2	8.2	8.7	9.1	8.5	8.8	12.1	9.9	11.3
28	10.4	8.7	9.6	9.0	8.3	8.6	9.0	8.3	8.7	11.9	9.2	10.9
29	10.2	9.0	9.7	10.2	8.9	9.6	9.1	8.4	8.7	11.6	10.4	11.1
30	9.9	8.6	9.1	10.0	9.0	9.4	8.9	8.1	8.5	12.0	10.3	11.1
31	---	---	---	9.7	8.5	9.2	8.5	7.4	7.8	---	---	---
MONTH	10.4	7.1	8.5	10.6	7.3	9.0	10.8	7.4	9.4	12.8	7.0	9.9

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